

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An electrolyte composition ~~for batteries or electric double layer capacitors, said electrolyte composition~~ comprising (A) a polymer component (A) and/or (B) an oligomer component, and (C) an electrolyte component (C), wherein:

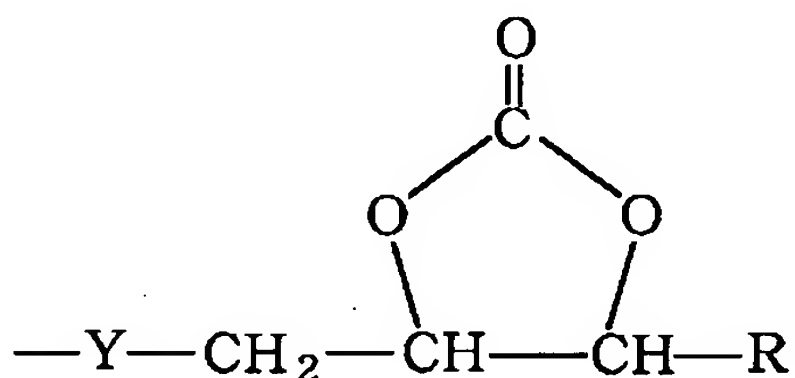
said polymer component (A) is:

(A-1) a (co)polymer ~~containing~~ comprising at least one cyclocarbonato group represented by the below-described formula (1), obtained by reacting carbon dioxide with a (co)polymer, which ~~contains~~ comprises at least one epoxy group, and/or

(A-2) a (co)polymer obtained by (co)polymerizing a monomer ~~containing~~ comprising at least one cyclocarbonato group represented by the below-described formula (1), which has been obtained by reacting carbon dioxide with a monomer containing at least one epoxy group

~~, and said oligomer component (B) is an oligomer containing two or more cyclocarbonato groups represented by the below-described formula (1), obtained by reacting carbon dioxide with an oligomer, which contains two or more epoxy groups in a molecule.~~

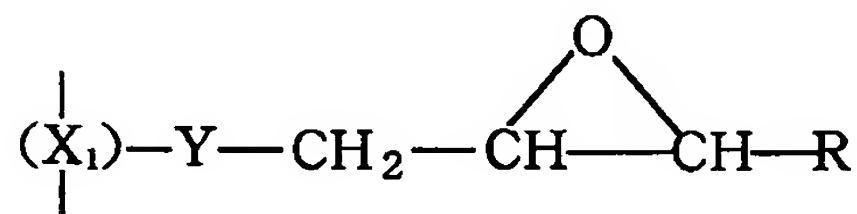
Formula (1):



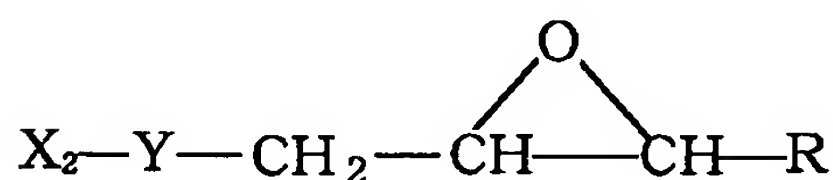
wherein Y represents a connecting group to the backbone of the corresponding (co)polymer (A-1) or (A-2), and R represents a hydrogen atom or an alkyl group having 1 to 3 carbon atoms.

2. (Original) An electrolyte composition according to claim 1, wherein said (co)polymer (A-1) is a (co)polymer obtained by reacting carbon dioxide with a (co)polymer which contains at least one recurring unit represented by the below-described formula (2), and said (co)polymer (A-2) is a (co)polymer of a monomer obtained by reacting carbon dioxide with a monomer represented by the below-described formula (3).

Formula (2)



Formula (3)



wherein X_1 represents a polymerization residual group of an α,β -unsaturated carboxylic acid, X_2 represents a reaction residual group of an α,β -unsaturated carboxylic acid, Y represents a connecting group, and R represents a hydrogen atom or an alkyl group having 1 to 3 carbon atoms.

3. (Original) An electrolyte composition according to claim 2, wherein each of said α,β -unsaturated carboxylic acids is at least one α,β -unsaturated carboxylic acid selected from the group consisting of acrylic acid, methacrylic acid, crotonic acid, maleic acid, fumaric acid and itaconic acid.

4. (Currently Amended) An electrolyte composition according to claim 1, wherein said polymer component (A) is said (co)polymer A-1 and said (co)polymer containing which comprises at least one epoxy group is a homopolymer of glycidyl methacrylate or a copolymer of glycidyl methacrylate and another one or more monomer(s).

5. (Currently Amended) An electrolyte composition according to claim 1, wherein said polymer component (A) is comprises a noncrosslinked (co)polymer ~~and/or a crosslinked (co)polymer~~.

6. (Cancelled)

7. (Cancelled)

8. (Original) An electrolyte composition according to claim 1, wherein said electrolyte component (C) is at least one compound selected from the group consisting of

compounds which form lithium ions, sodium ions, potassium ions, ammonium ions or tetraalkylammonium ions.

9. (Original) An electrolyte composition according to claim 8, wherein said electrolyte component (C) is at least one compound selected from the group consisting of lithium bromide, lithium iodide, lithium thiocyanate, lithium perchlorate, lithium tetrafluoroborate, lithium hexafluorophosphate, lithium trifluoromethanesulfonate, lithium bis(trifluoromethanesulfonyl)amide, tetraethylammonium perchlorate, tetraethylammonium tetrafluoroborate, and tetraethylammonium hexafluorophosphate.

10. (Original) An electrolyte composition according to claim 1, further comprising at least one organic solvent selected from the group consisting of ethylene carbonate, propylene carbonate, dimethyl carbonate, diethyl carbonate, methyl ethyl carbonate, vinylene carbonate, γ -butyrolactone, diphenyl carbonate and high molecular weight solvents each having one cyclocarbonato group in a molecule.

11. (Currently Amended) An electrolyte film ~~for a battery or electric double layer capacitor, wherein said electrolyte film comprises~~ comprising an electrolyte composition according to Claim 1 ~~any one of claims 1-10~~.

12. (Currently Amended) An electrolyte film according to claim 11 ~~for a battery or electric double layer capacitor, wherein said electrolyte film comprises~~ an organic solvent ~~and/or an oligomer component (B)~~ and is in a wet state.

13. (Currently Amended) An electrolyte film according to claim 11 ~~or 12 for a battery or electric double layer capacitor, wherein said electrolyte film is retained in shape by~~ at least one shape-retaining material selected from a woven fabric, a nonwoven fabric, a woven and/or nonwoven, bonded fabric, ~~or~~ and a porous polyolefin film.

14. (Currently Amended) A battery or electric double layer capacitor, ~~wherein~~ comprising an electrolyte composition according to Claim 1 ~~any one of claims 1-10 is filled~~.

15. (Currently Amended) A battery or electric double layer capacitor, ~~wherein~~ comprising an electrolyte film according to Claim 11 ~~any one of claims 11-13 is placed~~.

16. – 21. (Cancelled)

22. (New) An electrolyte composition according to claim 1, wherein said polymer component (A) comprises a crosslinked (co)polymer.

23. (New) An electrolyte composition according to claim 1, wherein said polymer component (A) comprises a noncrosslinked (co)polymer and a crosslinked (co)polymer.

24. (New) An electrolyte composition according to claim 1, wherein the weight average molecular weight of each (co)polymer in polymer component (A) is 10,000 – 5,000,000.

25. (New) An electrolyte composition according to claim 9, wherein the weight average molecular weight of each (co)polymer in polymer component (A) is 10,000 – 5,000,000.

26. (New) A battery or electric double layer capacitor according to claim 14, wherein the weight average molecular weight of each (co)polymer in polymer component (A) is 10,000 – 5,000,000.